

Board Converting News

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Höcker Polytechnik GmbH: FC Waste Disposal Solution

Modern flatbed diecutters automatically process thousands of sheets per hour. As throughput increases, so does the volume of bulky skeletons and lead edges.

Höcker Polytechnik GmbH, based in Lower Saxony in Germany, is a specialist of innovative disposal concepts in Folding Carton manufacturing. Filtering and extraction solutions, paper dust briquetting machines, shredders of all kinds, material separators and pneumatic conveying technology ensure smooth energy-saving production processes in the folding carton and corrugated industry around the world.

The new MultiStar filter system is at the heart of Höcker Polytechnik's new waste disposal system. With a footprint of 17 square-meters, it provides a filter area of 454 square-meters. The filter hoses are cleaned with a pressure pulse and dust is extracted via a bottom floor scraping system to the briquetter. Then a Brikstar V3 briquetting press compacts the dust onto easy-to-store briquettes. Four frequency controlled 22kW fans in the top-mounted fan module at the filter provide the vacuum required for efficient diecutting waste extraction. The compact filter is whisper-quiet in operation and it is one of the few pressure surge tested and certified filter systems in the marketplace.

Höcker's MultiStar filter system maintains six extraction lines that can be individually activated or deactivated with pneumatic locking gates. Gates interlocked to the frequency converter constantly adjust the fan

speed to respective demand by means of frequency control, which reduces energy consumption.

The job of handling waste is handled by Höcker PHSS shredders. Up to 10,000 sheets per hour can be processed into transport friendly cardboard sheets by



Extraction of diecut waste via separators into stationary compactors.

the single-shaft shredders with strippers. Each PHSS shredder is individually adapted to the respective diecutter so it can do its job on virtually any diecut material. Both the stripping waste and the shredded skeletons and lead edges are extracted with an in-vacuum operation. A material separator located before the filter separates the course material from the paper dust and discharges it to compactors.

Visit www.hoecker-polytechnik.de for more info.